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Functional Micro Structures and Textures: Manufacturing and Applications

Guest Editor:

Dr. Evgueni Bordatchev

1. Department of Mechanical and Materials Engineering, Western University, London, ON N6A 6B9, Canada

2. Automotive and Surface Transportation, National Research Council of Canada, London, ON N6G 4X8, Canada

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Message from the Guest Editor

Dear Colleagues,

Advanced micro/nano-, cutting/laser-based machining technologies are the key technologies for creating new and/or enhancing existing values of functional parts and products. In addition, nano/micromachining technologies can be seamlessly integrated with novel material additive processes and systems for surface formation and topography enhancement and functionalization.

The aim of this Special Issue is to cover advanced developments, functionalities, and applications in functional microstructures and textures produced using micro/nano-, cutting/laser-based machining technologies. It also seeks to highlight research on system and part design; process and performance modelling; microfabrication; and performance evaluation of the micromachining process and/or functional surfaces and their precision, accuracy, quality, and efficiency improvement for a wide range of applications related (but not limited to) the control of wettability, friction, optical appearance, light guiding, corrosion, hydro- and aerodynamics, and biofouling resistance.



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